TARC NEWSLETTER

TITUSVILLE AMATEUR RADIO CLUB

NOVEMBER, 1996

OFFICERS

PRESIDENT: Bud Hughes K4CWG 269-0779 SECRETARY: Marty Coin WD4JNM 264-9447
V.PRESIDENT: Pike Abell W4EPU 269-4208 TREASURER: Clyde Lee K4EOS 267-9375

CLUB INFORMATION

TARC Meetings: Monthly on 4th Tuesday at 1900 hrs at Jaycee Building
TARC Nets: VIP - Thursdays at 1000 hrs on 146.910
Friendship - Thursdays at 1830 hrs on 146.910
Mosquito - Wednesdays at 1900 hrs on 28.333
TARC Repeaters: VHF - 146.910 and 146.970. UHF - 444.150

PRESIDENT'S CORNER

By Bud Hughes K4CWG

The TARC Hamfest is Saturday, November 9. It is truly gratifying to see so many of our members (and non members) volunteering to assist in this year's Hamfest activities.

>Those of you who can spare some time and have not yet volunteered, please call either Clyde K4EOS (267-9375) or me Bud K4CWG (267-3450) and make your plans to come out to Fox Lake Park Friday evening for the set-up, then Saturday morning for the kick off.

>We will need help Friday evening realigning the tables, installing the PA system, unloading and placing in the cooler the sodas and food to be prepared on Saturday. Then the big day Saturday, we need to be at the site at 6 AM. Functions in which help is needed include assisting in: 1)first and foremost responding to the needs of the handicapped. 2) the registration of "tailgaters". 3) parking cars. 4) assisting vendors in locating their tables. 5) stage set up for the prize table as well as the TARC Hamfest Talk-in Station. 6) assuring the PA system is up and running. 7) making sure the girls in the kitchen have the necessary help. 8) setting up the TARC Club swap table.

>There are a few tables left at the writing of this column. Contact either Clyde or me for availability of tables. Also, you may place on the club table any item you wish to put up for sale.

>Be sure to invite your neighbors, friends and relatives to attend. As you know the admittance is free and the food will be tasty and economically priced.

>November 26 is election night for all officers and board members. If at all possible, please plan to attend the November club meeting and cast your ballot for the officer/board member of your choosing.

>Plans are under way for our annual TARC Christmas Dinner. Further details will be forth coming.

>Hope to see all of you at your club's Hamfest, as well as your next club meeting.

Happy thanksgiving!

HAPPY BIRTHDAY

NOVEMBER BIRTHDAYS

NOV. 1 N2USO MARIE GENCORELLI
NOV. 1 KE4BBK ORA PROSSER
NOV. 4 KD4CBT CARL HUGHES
NOV. 8 KF4IGC JOEY SAMMONS
NOV. 9 KE4GOQ MIKE HADDAD
NOV.11 K4GXR RON RICHARDSON
NOV.14 KC4SYD CLIFF HOAG
NOV.14 KD4VFS STEVE MORRIS
NOV.16 KE4MXB BONNIE FROST
NOV.18 KE4TKC HARMONY BURDICK
NOV.18 WB8CLQ BOB COWGILL
NOV.21 KE4HIX WILLIAM THOMAS III
NOV.22 AE4LE RALPH HALL
NOV.23 KS4JN RAYMOND HUDSON
NOV.25 AA4HP HANK PHILLIPS
NOV.25 KE4AUA LARRY BRUETT
NOV.26 KD4HNW KEN DENMAN
NOV.26 KC4HIO RICHARD SWEATT
NOV.27 KR4HS GEORGE SMITH
NOV.27 K4EGV CHARMAINE COFFMAN
NOV.28 KD4JBE HOOT GIBSON
NOV.28 K4VTY DAVE SPRINGER

NOVEMBER 9 TARCFEST UPDATE

By Clyde K4EOS

At the October meeting TARC members indicated they were willing to help make this a successful hamfest.

We have the Friday PM set-up covered as well at the Saturday PM take-down and clean-up. We have enlarged the tail gate area. Therefore, more help is needed in this area. Also we need help with the parking. Vendors will be coming in before the 8 AM opening to set up at both the tables and the tailgate area. We need people to direct these vendors to the assigned areas. If you can help and did not sign the help sheet that was passed around at the meeting, please call me at 267-9375, or Bud at 267-3450 to let us know which of these two areas you can help with.

With YOUR help we can make this the biggest TARCFEST yet!

FREE FOR THE TAKING

Why pay for something when you can get it FREE? The FCC makes its Amateur Radio Callsign Database available from its FTP Site. The entire database is updated every Monday with daily updates for calls issued every day.However,. the database as downloaded is of little use.

I have written a program that takes this "raw" database, converts and condenses to a usable database which can be searched by callsign. The name and address will be displayed and a label can be printed if desired. I am making this program available as FREEWARE and it can be downloaded from my "FCC DB" web page URL: www.surfsouth.com/-jhardy/fcc.htm or there is a link from my home page.

You can get the same data by buying a CD from one of the commercial suppliers such as QRZ, BuckMaster, SAM, CallBook, etc., but my method will be much more current and can be updated FREE at any time instead of buying another CD. Of course, the same data is provided free via the various web pages (QRZ, BuckMaster, etc.) but you have to be online to access these.

By using this approach you could also provide this database to your local hams that are not on the Internet by giving them copies on floppies. Or, if someone had access to a FTP site that had spare room, the database could be stored there and updated weekly. The condensed database requires about 34MB of hard disk space, but this has over 720,000 calls in it.

Drop by my web site and download this program and give it a try. If you have any questions, email me.

Jim Hardy, K4HAV
(912) 387-7373
email: Jhardy@surfsouth.com
Home Page: http://www.surfsouth.com/-jhardy

SUBJECT: re: TS440S PLL Unlock Problem
ORGANIZATION: Lucent Technologies,
TO: DK9XQ <dk9xq@aol.com>

DK9XQ wrote: Dr HAMS, I had a problem with my TS 440S, after 3 years it is not transmitting on 20m and on 15m and on 40m. The display, the decimal points are flashing shortly. I think the PLL is unlocked. Who can give me some repair tips? I think it is a common TS 440S fault.
TNX, DK9XQ Johannes Hamburg, Germany.

WA2UBK answered: If the problem is the vco, it will not receive in certain segments of the spectrum which correspond to the vco segments. Kenwood potted the entire vco with a wax that becomes conductive and will destroy the vco diodes. If that is the problem, you must remove the potting wax and replace the bad diodes. (Do not replace the wax). It is a bit of work to get the wax out, but the repair parts are not expensive.
Good Luck. Shel WA2UBK

ARRL PETITIONS FCC TO CHANGE SAFETY RULES

From ARRL Bulletin 62

The ARRL has petitioned the FCC to reconsider and reverse portions of the Commission's August 1, 1996, Report and Order that imposed RF-emission safety standards on Amateur Radio, including a 50-W threshold to trigger an RF-safety evaluation. In setting the 50-W threshold, the ARRL said, the FCC failed to consider the effect of antenna height, antenna gain, emission mode, duty cycle or operating frequency. The League asked the FCC either to scale the evaluation threshold by frequency to match the maximum permissible exposure (MPE) limits--directly corresponding to the way the regulations scale the exposure levels with frequency--or to set the evaluation threshold for all HF operation at 150 W at a distance of 10 meters from all parts of the antenna.

At or below that power level and at that distance from the radiator, "you'd be well on the side of safe, even at 100% duty cycle, with any antenna likely to be encountered on HF," said ARRL Laboratory Supervisor ED Hare, KA1CV, our HQ staff liaison to the ARRL RF Safety Committee. "Some VHF/UHF and microwave station configurations could result in an RF exposure exceeding the requirements of the regulations, so the 50-W limit to trigger an evaluation is more appropriate above 30 MHz," said Hare. He emphasized that all stations, regardless of output power or frequency, still must abide by the specified MPE limits for RF.

The new rules, effective January 1, 1997, require licensees of amateur stations running 50-W output or more on any band to conduct a routine RF-safety evaluation to determine if the station could expose people to RF levels that exceed the MPE limits specified in the new rules. (Mobile installations using push-to-talk, regardless of power, are exempt from the environmental evaluation requirement.) In its reconsideration filing, the League called the 50-W threshold "regulatory overkill" and "without scientific basis." Among other things, the League said the means to conduct RF radiation evaluations are not yet available, and the ability to re configure a station that might exceed the new limits "is highly problematic." Coupled with any state and local land-use and RF-exposure regulations that might exist, application of the new rules "may constitute a de facto revocation or modification of the station license," the League said.

The League also said the FCC adopted the rules "through flawed procedures" and without advance notice and opportunity for prior comment.

The ARRL said that the new rules differentiate between ham stations and other Commission licensees "which are treated far less restrictively." While the FCC preempted state and local government regulation of personal wireless service facilities based on environmental effects of RF emissions, it refused to do the same for ham radio "without any basis for the distinction."

The ARRL already has asked the FCC to extend the deadline to change amateur examinations and modify question pools, but the Commission has yet to act on the request. The League said that, as it now stands, hams have no way to determine the scope of their obligations under the new rules.

The League suggested the FCC vacate its new RF safety rules governing amateur stations and issue a further notice to permit comment on the proposed rules, and, in particular, the 50-W evaluation threshold.

HAM RADIO ON THE SILVER SCREEN

From The ARRL Newsletter Vol 15, No. 9

Ham radio has another movie role on the horizon, in the Warner Bros. movie CONTACT (based on Carl Sagan's 1985 novel of the same name), due out next summer. ARRL HQ staffers have worked with a representative of the movie maker to provide authentic Amateur Radio props. CONTACT will star Jodie Foster, James Woods and Matthew McConaughey. Foster will play Ellie Arroway who, as a girl, got her ham ticket along with her father in the late 1960s, then goes on to become a radio astronomer and the first person to decipher a message received on Earth from extraterrestrial intelligent life. Eventually, she's among the team sent into space to explore the message's origin. Robert Zemeckis will direct the film.

>ARRL Media Relations Assistant Jennifer Gagne, N1TDY, provided the filmmakers with an ARRL map (thanks to Circulation Manager Deb Jahnke) and other League publications of the 1960s, Executive Vice President David Sumner supplied some vintage QSLs from his own collection, and Educational Activities Department Manager Rosalie White, WA1STO, advised the Warner Bros contact about types of antennas and equipment they'd need to make the movie set realistic. She also sent an appropriate copy of the ARRL Handbook (donated by Mike Tracy, KC1SX) and several late "50s QSTs. ARRL Southwestern Division Director Fred Heyn, WA6WZO, was to assist the film company in obtaining appropriate 1960s vintage ham equipment. Also, Dave Newkirk, W9VES, contributed a 1971 copy of the ARRL Handbook as well as his historical expertise.

>Filming for CONTACT begins this fall. Ham radio played roles in the current films INDEPENDENCE DAY and PHENOMENON. League staff members also helped to supply some props in the latter film.

HAM MAG STOPS ANTI HAM LAW

From Amateur Radio Newsline #998

A proposed law governing the operation of mobile radio equipment in Washington State will not impact on ham radio. This, thanks to some quick action on the part of a ham radio publisher who listened to his readers. Ham Radio Online is an internet based ham radio magazine. Earlier this month, its publisher Ed Mitchell, KF7VY learned that the Washington State Patrol was considering a new law governing the installation of all wireless devices in automobiles registered or operated in that state. If passed as written, the new law would have limited all mobile wireless systems to hands free operation only. In other words, no hand mics of the type that most hams use. Even more ominous, all communication systems put into any vehicle would have to be approved by the Washington State Patrol equipment review unit..

"Some of the things that we saw was the wording was very broad and very vague and would potentially impact far more people than we suspected that was their goal." KF7VY. The restrictive measure was to be considered at an October 9th public hearing in Olympia. On learning of the tentative new regulations, Mitchell contacted both the State Patrol and Washington State Representative Brian Thomas. "What we pointed out to them was that, as written, it was going to cover even such things as carrying a pager in your automobile. And we really didn't see how the state patrol had the expertise to certify all forms of mobile radio installations. It really seemed like an unnecessary burden." KF7VY

On September 17, Thomas responded. He told Mitchell that he had spoken with Washington State Patrol Captain Tim Ericson. That they had concluded the proposed law was poorly worded. Mitchell also learned that the October 9 hearing was canceled and the State Patrol would start over on a new proposal. On Friday, September 20, Captain Ericson informed Mitchell that the purpose of the proposed law was only to restrict ear pieces to covering one ear only, with a particular emphasis on cellular radiophone systems. In other words, to prohibit the use of dual earphones while driving.

Mitchell tells Newsline that as the result of the inquiry by Ham Radio Online, the State Patrol has proposed new wording for the rule. Wording that covers only these earphones and cellular telephones.

KF7VY says that no new hearing date has been set but he believes the revised wording is appropriate. As such, it is no longer a source of concern to the Amateur Radio Community of Washington State.

Mitchell also thanks the hams who brought the matter to his attention, and who worked toward affecting the wording change.

REAL NEWSPAPER HEADLINES
TRUTH IS STRANGER THAN FICTION

Something went wrong in jet crash, experts say.
Police begin campaign to run down jaywalkers.
Experts say school bus passengers should be belted.
Drunk gets nine months in violin case.
Survivor of Siamese twins joins parents.
Farmer bill dies in house.
Iraqi head seeks arms.
Stud tires out.
Prostitutes appeal to Pope
Panda mating fails; veterinarian takes over.
Soviet virgin lands short of goal again.
British left waffles on Falkland Islands.
Lung cancer in women mushrooms.
Eye drops off shelf.
Teacher strikes idle kids.
Reagan wins on budget, but more lies ahead.
Squad helps dog bite victim.
Shot off woman's leg helps Nicklaus to 66.
Enraged cow injures farmer with ax.
Plane too close to ground, crash probe told.
Miners refuse to work after death.
Juvenile court to try shooting defendant.
Stolen painting found by tree.
Two Soviet ships collide, one dies.
Two sisters reunited after 18 years in checkout counter.
Killer sentenced to die for the second time in 10 years.
Never withhold herpes infection from loved ones.
Drunken divers paid $1000 in '84.
War dims hope for peace.
If strike isn't settled quickly, it may last a while.

DISORDER IN THE COURT
TRUE EXERTS

From Joan KE4SXU

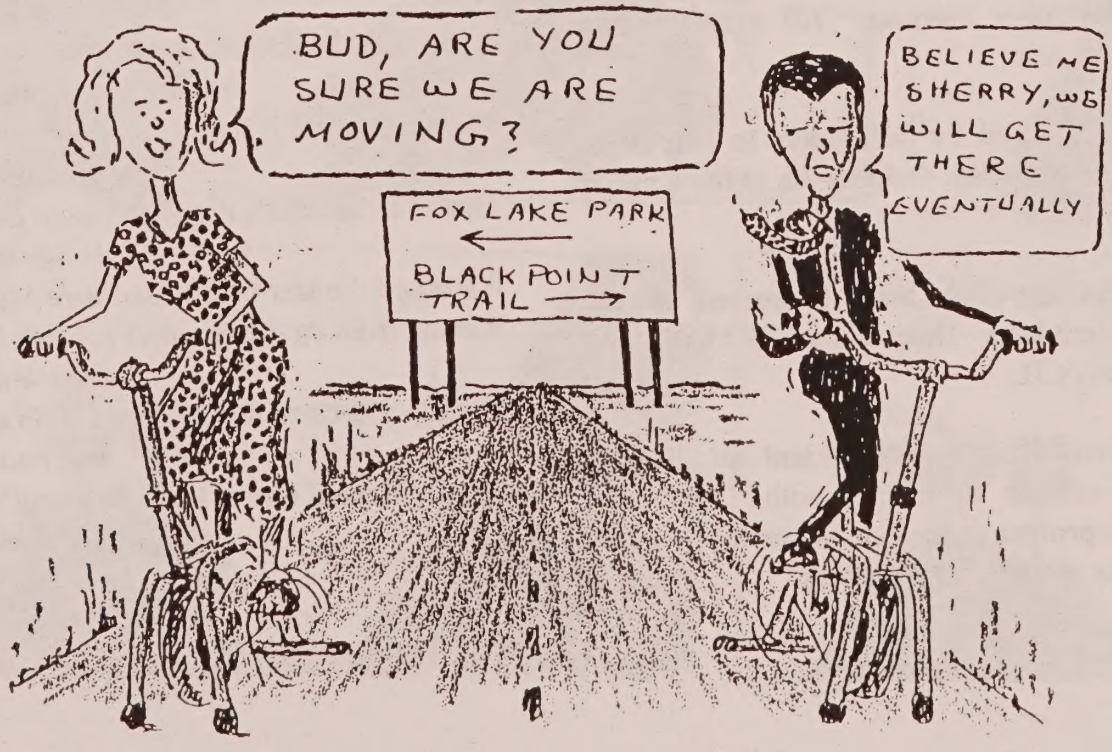
DEFENSE: The truth of the matter is that you are not an unbiased, objective witness, isn't it? You, too, were shot in the fracas.
WITNESS: No, sir, I was shot midway between the fracas and the navel.

THE COURT: Where were you?
DEFENDANT (CHARGED WITH ARSON): In the hospital.
THE COURT: Why?
DEFENDANT: Smoke inhalation.

THE COURT: You've been charged with armed robbery. Do you want the court to appoint a lawyer to represent you?
DEFENDANT: You don't have to appoint a very good one, I'm going to plead guilty.

THE COURT: The charge is theft of frozen chickens. Are you the defendant, sir?
DEFENDANT: No, sir, I'm the guy who stole the chickens.

THE COURT: When you heard about this case, did you form any opinion about the defendant's guilt or innocence?
JUROR: Not really. I just assumed that he had committed the crime.



TREASURERS REPORT

By K4EOS Clyde Lee

BALANCE FORWARD FROM 1995	2,780.03
DEPOSITS Year to date	8,166.92
TOTAL INCOME	$10,946.95
EXPENDITURES	$5,584.56
BALANCE AS AT 10/29/96	$5,362.39

OCTOBER MEETING

By Marty WD4JNM, Secretary

Club President Bud Hughes, K4CWG, called the meeting to order at 1845 hours. After the Pledge, moment of silence and introduction of members and guests, Clara KE4YQL told the club about the door prizes already obtained for the TARCFEST on Nov. 9, and asked that club members contact their favorite restaurants, shops, etc. to try to get more items donated.

Clyde, K4EOS explained the kind of help needed during the TARCFEST. He passed around a clipboard, asking members to sign on for duty. Bill, KT4CQ asked for help with getting cars unloaded and out of the way in the early hours on Saturday. Sherry, KF4HTC asked for help in the preparation of food for the TARCFEST, and also for help in the kitchen.

Bud K4CWG announced the appointment of Jim W4UYZ as nominating committee chairman. Jim will present names for consideration and then ask for nominations from the floor at the November meeting. The election of officers for 1997 will be the principle topic at the November meeting. All members are urged to attend and vote.

Dick Duel W9LSD asked for volunteers to help with communications on Saturday, October 26, at the Church of God on Knox McRae.

Condolences from the club were expressed to the families of two silent keys: Helen Burks KE4VWB and Don Jeorger WB4CCB.

Richard McMillen, KD4GPJ, president of IRARC expressed their interest in joining with TARC and PCARS to link repeaters so that all of Brevard County may be reached by all hams on 2 meters.

Bud K4CWG asked for authorization to get reimbursed for the 15 folding tables he bought for the club. These tables will be stored at the Jaycee building, but will be available to club members when needed. Motion made and carried by a show of hands to reimburse Bud in the amount of $245.00.

Pike W4EPU read from QST the results of field day. TARC came in 59th with 2634 points.

The following new members were voted into the club:
KE4AZP John Edwards
KF4LUA Gwen Colvin
KE4USP Bobby Jones
KC6JBH Linda Jones

The meeting adjourned at 2045 hours.

TAILGATE TALK

From PCARS Newsletter

TAILGATER/*ENGLISH TRANSLATION*

The rig puts out a BIG signal/*It's 50 Mz wide.*
This is a really good CW rig/*It doesn't work on SSB.*
The transmitter is outstanding/*It doesn't receive.*
It's a vintage regenerative type/*It oscillates.*
I just retubed it/*Questionable tube stock.*
I just aligned it/*Transformer slugs are jammed.*
I don't know if it works/*Doesn't work, never has.*
It doesn't chirp/*Doesn't chirp, doesn't transmit.*
The audio sounds great/*The 60 Hz buzz is faithfully reproduced.*
It might need a bit of tweaking/*Marconi couldn't fix, much less align it.*
It was used in government service/*It was stored outdoors on a wooden pallet*
Checked it, and it lights up/*The light was from two foot high flames.*
This is a collector's item/*Mfg. went belly up and won't honor warranty.*
It worked the last time I used it/*In May, 1980.*
It came from an estate sale/*Problems? Take it up with the owner!*
I'll help you carry it to the car/*I'll do anything to unload this boat anchor.*
I really wanted one of these as a kid/*Now I've learned what a hunka junk is.*

ABELL'S ANECDOTES

By Pike W4EPU

In December, 1962, three of my colleagues and I went on a hunting trip in the Almeh Reserve Section of the "Mohammed Shah Reza Park" in the Elburz mountain of Northeastern Iran.

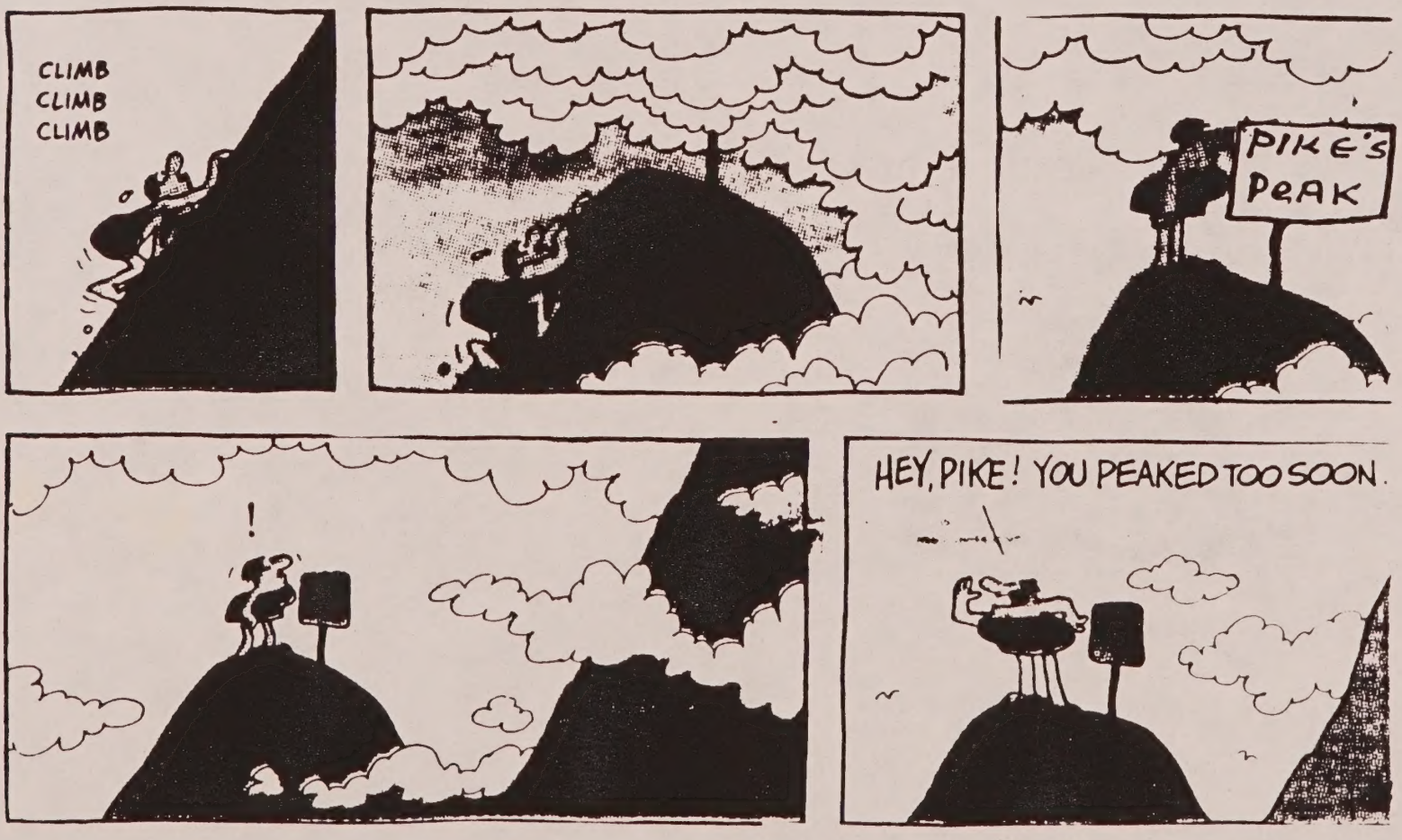
We being the first group in our organization to undertake such an adventure, at the request of my Chief of Station, I prepared a report for the information of others who may wish to do the same. (Many hunting parties made that trip in the years that followed before we were kicked out of Iran.)

"Within a ten kilometer radius of our campsite there is an abundance of bighorn Ural Mountain sheep (ram), deer, elk, wild hogs. Less in number but there to be hunted, leopard, bobcat and other small members of the cat family. Also the Great Persian tiger, one of which I saw. However, the season is closed permanently for the Persian tiger because of its near extinction. Also, there are literally thousands of 'chuckers' or blue mountain quails. (If you really want to have some adventure, take a shotgun and hunt quail for a day.)

The trophy animals speak for themselves, but for meat you can't beat the female wild sheep ('Meesh' in Farci). It is very tasty. For take-home or eat in camp, in my opinion, Meesh is number one. Elk, deer and pork are next in the order of your taste. Ram and ibex - particularly the tenderloins - are very good if you like wild meat, but you must have a taste for it. I do.

Everybody to his own taste for trophies, but the chance of success in getting a good trophy are in this order: Ram, ibex, boar, deer, elk, and leopard or other cats. To us, like most hunters, the most important takes were the trophies. These words of caution cannot be stressed strongly enough. If you expect to get good head mounts, don't shoot the first thing you see, unless he is a good trophy. The game is plentiful (except for cats) so pick out a good one..."

PS. My take home was one ram, two ibex and two meesh. Most of the meat was donated to a local village chief who in turn distributed it to the villagers. Although somewhat deteriorated from age, I still have head mounts of one ram and one ibex, and one ibex horn mount. **Incidentally, I no longer shoot any kind of animals with anything but a camera.**



MEMBERSHIP UPDATE

Total membership: 290. (210 regular, 74 family, 6 honorary)

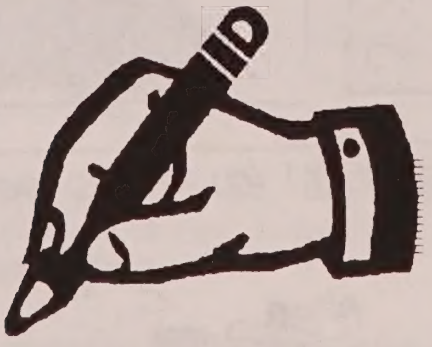
NEW MEMBERS: 000000 PATTY KING
KD4GPJ RICHARD McMILLAN
KE4BBB CLINT GRIFFIN

RENEWALS:
KE4LNS DON McLEAN
N9EZV KEN TENDICK
N9FAB LORRAINE TENDICK
KD4DOJ FAYE SKIDMORE
KE4FA MONA SKIDMORE
W1BSO MAYNARD CHENEY
KA4NZM DICK RUFFE
KE4GOQ MIKE HADDAD
KE4HOE FRED HADDAD
WA4JWU ROGER VERBLE
N4KFP TOM DOWNS
KE4MWY DAN CHYCOTA
KF4FEZ GAIL CHYCOTA
K4IXU JOHN PITTMAN
K4VTY DAVE SPRINGER
KE4RIV CHUCK MANION

HAMFESTS:

11/9	Titusville
11/23-24	Tampa
12/7	Okeechobee
12/7	Ocala
12/14	Lake City
01/4-5	Ft. Meyers
01/11-12	Sarasota

TITUSVILLE AMATEUR RADIO CLUB
P. O. BOX 73
TITUSVILLE FL 32781-0073



VOTE! IT'S A DUTY!